

**EXHIBIT B**

U.S. SERIAL NO.: 10/521,619

# Delaware

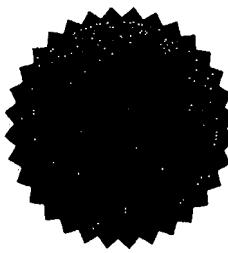
PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "THERMAL ACQUISITION CORP.", CHANGING ITS NAME FROM "THERMAL ACQUISITION CORP." TO "AVIZA TECHNOLOGY, INC.", FILED IN THIS OFFICE ON THE FIFTEENTH DAY OF OCTOBER, A.D. 2003, AT 8:22 O'CLOCK P.M.

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*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3020346

**DATE: 03-30-04**

FIRST CERTIFICATE OF AMENDMENT  
TO THE  
FIRST AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION  
OF  
THERMAL ACQUISITION CORP.

The undersigned, Patrick Charles O'Connor, hereby certifies that:

1. He is the Chief Financial Officer of Thermal Acquisition Corp., a Delaware corporation (the "Corporation");
2. The date of filing of the original Certificate of Incorporation of the Corporation with the Delaware Secretary of State is September 18, 2003; and
3. Article I of the First Amended and Restated Certificate of Incorporation of the Corporation is hereby amended and restated to read in its entirety as follows:

"The name of the Corporation is Aviza Technology, Inc."

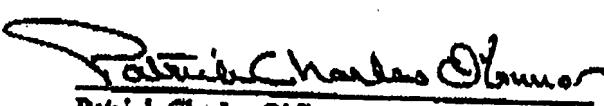
\* \* \* \*

4. The foregoing First Amendment to the First Amended and Restated Certificate of Incorporation has been duly approved by the Board of Directors of the Corporation.

5. The foregoing First Amendment to the First Amended and Restated Certificate of Incorporation has been duly approved by the holders of the necessary number of shares of the Corporation's voting securities in accordance with the provisions of Sections 228, 242 and 245 of the General Corporation Law of the State of Delaware.

\* \* \* \*

I, THE UNDERSIGNED, being the Chief Financial Officer of the Corporation, for the purpose of amending the First Amended and Restated Certificate of Incorporation of the Corporation pursuant to the General Corporation Law of the State of Delaware, do make this certificate, herein declaring and certifying that I have read the foregoing certificate and know the contents thereof and that the same is true of my knowledge, and accordingly have hereunto set my hand this 15<sup>th</sup> day of October, 2003.

  
Patrick Charles O'Connor  
Chief Financial Officer